



EG&G ROCKY FLATS, INC.  
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90-RF-7580

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Manager  
DOE, RFO


Attn: D. P. Simonson

#### TRANSFER OF WATER FROM POND B-2 TO POND A-2

Per your request of December 1, 1990 (WMED:JR:9776) we have investigated the recorded incidence of TCE in the water of Pond B-2 and considered treatment options. The source of the TCE is unknown at present. Groundwater data indicates that the TCE may be migrating from Operable Unit 2 groundwater contamination, and entering Pond B-2 via seeps and natural recharge (see 90-RF-6689).

The most efficient and expeditious method to treat the minimal amount of TCE existing in the water is through aeration. Therefore, the water will be pumped at a slow rate (100-200 gpm) from Pond B-2 to Pond A-2 and allowed to exit the transfer pipe above the pond so that it flows over rocks for a distance of approximately 40 feet, then forms a stream which runs another 100 feet before entering the Pond A-2 impoundment. The low flow rate and significant degree of air exposure should result in volatilizing the already minimal amount of TCE present in the Pond B-2 water before it reaches Pond A-2. Consultation with the Waste Guidance and RCRA personnel indicates this is an acceptable approach.

We propose to halt the transfer and take samples within Pond A-2 after pumping has been in progress for a total of 24 hours. The sample analysis will be expedited to ascertain if any immediate impact on the water quality in Pond A-2 is occurring. If no accumulation of TCE is detected, pumping will resume and continue for the remainder of the time necessary to complete the desired transfer (estimated to require 48 to 64 more hours). The water in Pond A-2 will be resampled for TCE analysis after completion of the transfer.

  
J. M. Kerish, Associate General Manager  
Environmental Restoration and Waste Management

CVW:fm

Orig. and 1 cc - R. M. Nelson, Jr.